

*John*  
#5 OIPE

## RAW SEQUENCE LISTING

DATE: 08/30/2001

PATENT APPLICATION: US/09/701,536

TIME: 07:54:47

Input Set : A:\W098706.txt

Output Set: N:\CRF3\08302001\I701536.raw

**ENTERED**

## SEQUENCE LISTING

## 4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Chang, Gwong-Jen J

8 (ii) TITLE OF INVENTION: Nucleic Acid Vaccines for  
9 Prevention of Flavivirus Infection

11 (iii) NUMBER OF SEQUENCES: 6

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Needle &amp; Rosenberg, P.C.

15 (B) STREET: 127 Peachtree St., NE., Ste. 1200, The Candler Bldg.

16 (C) CITY: Atlanta

17 (D) STATE: GA

18 (E) COUNTRY: USA

19 (F) ZIP: 30303-1811

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Diskette

23 (B) COMPUTER: IBM Compatible

24 (C) OPERATING SYSTEM: Windows

25 (D) SOFTWARE: FastSEQ for Windows Version 4.0

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/701,536 *OK*

C--&gt; 29 (B) FILING DATE: 29-Nov-2000

30 (C) CLASSIFICATION: U.S. National Phase

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: PCT/US99/12298

34 (B) FILING DATE: June 3, 1999

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Miller, Mary L.

38 (B) REGISTRATION NUMBER: 39,303

39 (C) REFERENCE/DOCKET NUMBER: 14014.0332U2

41 (ix) TELECOMMUNICATION INFORMATION:

42 (A) TELEPHONE: 404-688-0770

43 (B) TELEFAX: 404-688-9880

44 (C) TELEX:

47 (2) INFORMATION FOR SEQ ID NO: 1:

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 48 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

55 (ii) MOLECULE TYPE: Other

56 (ix) FEATURE:

63 (A) NAME/KEY: Other

59 (B) LOCATION: 25...48

60 (D) OTHER INFORMATION:

68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

70 CTTGGTACCT CTAGAGCCGC CGCC ATG GGC AGA AAG CAA AAC AAA AGA

71 Met Gly Arg Lys Gln Asn Lys Arg

48

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72                                     1           5
75 (2) INFORMATION FOR SEQ ID NO: 2:
77   (i) SEQUENCE CHARACTERISTICS:
78       (A) LENGTH: 50 base pairs
79       (B) TYPE: nucleic acid
80       (C) STRANDEDNESS: single
81       (D) TOPOLOGY: linear
83   (ii) MOLECULE TYPE: Other
84   (ix) FEATURE:
86       (A) NAME/KEY: Other
87       (B) LOCATION: 1...50
88       (D) OTHER INFORMATION: Amplimer c14DV2453
90   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
92 TTTTCTTTTG CGGCCGCTCA AACTTAAGCA TGCACATTGG TCGCTAAGAA           50
-----
94 (2) INFORMATION FOR SEQ ID NO: 3:
96   (i) SEQUENCE CHARACTERISTICS:
97       (A) LENGTH: 48 base pairs
98       (B) TYPE: nucleic acid
99       (C) STRANDEDNESS: single
100      (D) TOPOLOGY: linear
102   (ii) MOLECULE TYPE: Other
103   (ix) FEATURE:
110       (A) NAME/KEY: Other
106       (B) LOCATION: 25...48
107       (D) OTHER INFORMATION:
115   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
117 CTTGGTACCT CTAGAGCCGC CGCC ATG CGT TCC CAT GAT GTT CTG ACT           48
118                               Met Arg Ser His Asp Val Leu Thr
119                               1           5
122 (2) INFORMATION FOR SEQ ID NO: 4:
124   (i) SEQUENCE CHARACTERISTICS:
125       (A) LENGTH: 41 base pairs
126       (B) TYPE: nucleic acid
127       (C) STRANDEDNESS: single
128       (D) TOPOLOGY: linear
130   (ii) MOLECULE TYPE: Other
131   (ix) FEATURE:
133       (A) NAME/KEY: Other
134       (B) LOCATION: 1...41
135       (D) OTHER INFORMATION: Amplimer cYFDV2452
138   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
140 TTTTCTTTTG CGGCCGCTCA CGCCCAACT CCTAGAGAAA C           41
142 (2) INFORMATION FOR SEQ ID NO: 5:
144   (i) SEQUENCE CHARACTERISTICS:
145       (A) LENGTH: 54 base pairs
146       (B) TYPE: nucleic acid
147       (C) STRANDEDNESS: single
148       (D) TOPOLOGY: linear
150   (ii) MOLECULE TYPE: Other

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151 (ix) FEATURE:  
158 (A) NAME/KEY: Other  
154 (B) LOCATION: 25...54  
155 (D) OTHER INFORMATION:  
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
165 CTTGGTACCT CTAGAGCCGC CGCC ATG TCT AAA AAA AGA GGA GGG ACC AGA 51  
166 Met Ser Lys Lys Arg Gly Gly Thr Arg  
167 1 5  
169 TCG 54  
170 Ser  
171 10  
174 (2) INFORMATION FOR SEQ ID NO: 6:  
176 (i) SEQUENCE CHARACTERISTICS:  
177 (A) LENGTH: 38-base pairs  
178 (B) TYPE: nucleic acid  
179 (C) STRANDEDNESS: single  
180 (D) TOPOLOGY: linear  
182 (ii) MOLECULE TYPE: Other  
183 (ix) FEATURE:  
185 (A) NAME/KEY: Other  
186 (B) LOCATION: 1...38  
187 (D) OTHER INFORMATION: Amplimer cSLEDV2449  
190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
192 TTTTCTTTTG CGGCCGCTTA GGCTTGCACG CTGGTTGC 38

VERIFICATION SUMMARY

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L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

08/30/2001 07:54:48